

**Graduate Exit Survey and Alumni Survey**  
**Information Technology Department**  
**2019-20**

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**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**  
**FR. AGNEL ASHRAM, BANDSTAND, BANDRA (W), MUMBAI,**

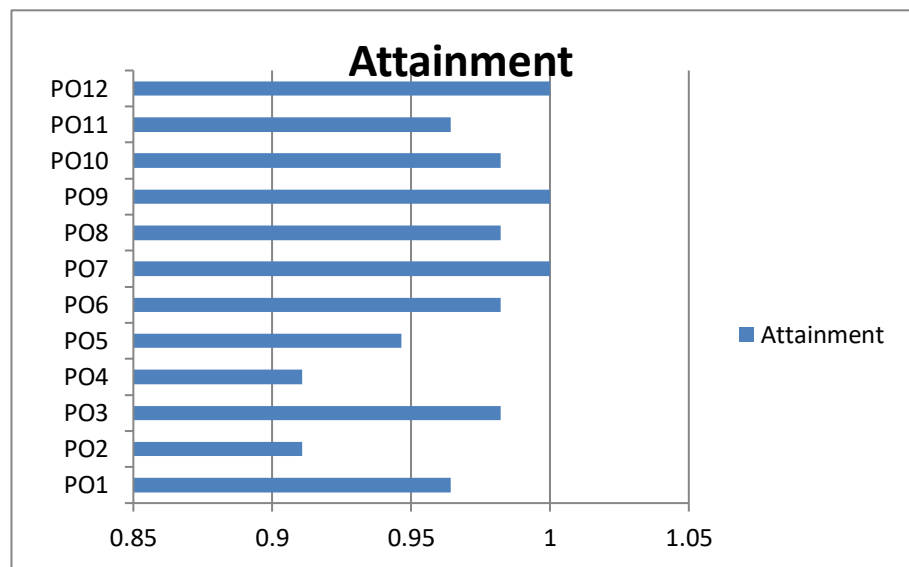
**Department of Information Technology**

**(Graduate Exit Survey 2019-20)**

<b>I can apply principles of Science and Mathematics and Engineering fundamentals to problems in IT domain (P1)</b>	<b>Strongly Agree</b>	<b>Agree</b>	<b>Neutral</b>	<b>Don't Agree</b>	<b>Strongly Disagree</b>
	24	30	2	0	0
	0.428571429	0.535714286	0.035714286	0	0
<b>I am able to analyze complex engineering problems(P2)</b>	<b>Strongly Agree</b>	<b>Agree</b>	<b>Neutral</b>	<b>Don't Agree</b>	<b>Strongly Disagree</b>
	25	26	5	0	0
	0.446428571	0.464285714	0.089285714	0	0
<b>I am able to design solutions considering public health and safety, and cultural, societal and environmental considerations.(P3)</b>	<b>Strongly Agree</b>	<b>Agree</b>	<b>Neutral</b>	<b>Don't Agree</b>	<b>Strongly Disagree</b>
	21	34	1	0	0
	0.375	0.607142857	0.017857143	0	0
<b>I am able to apply research based knowledge and methods to infer valid conclusions.(P4)</b>	<b>Strongly Agree</b>	<b>Agree</b>	<b>Neutral</b>	<b>Don't Agree</b>	<b>Strongly Disagree</b>
	21	30	4	1	0
	0.375	0.535714286	0.071428571	0.017857143	0
<b>I am capable to use modern engineering tools.(P5)</b>	<b>Strongly Agree</b>	<b>Agree</b>	<b>Neutral</b>	<b>Don't Agree</b>	<b>Strongly Disagree</b>
	22	31	3	0	0
	0.392857143	0.553571429	0.053571429	0	0
<b>My adoption of professional ethics and concern for the society are appreciable.(P6,P7,P8)</b>	<b>Strongly Agree</b>	<b>Agree</b>	<b>Neutral</b>	<b>Don't Agree</b>	<b>Strongly Disagree</b>
	28	27	1	0	0

	0.5	0.482142857	0.017857143	0	0
I can lead and / or contribute as a team player (P9)	Strongly Agree	Agree	Neutral	Don't Agree	Strongly Disagree
	34	22	0	0	0
	0.607142857	0.392857143	0	0	0
My capabilities in both oral and written communication are sufficient (P10)	Strongly Agree	Agree	Neutral	Don't Agree	Strongly Disagree
	33	22	1	0	0
	0.589285714	0.392857143	0.017857143	0	0
I am able to apply Engineering and Management principles in multidisciplinary environment. (P11)	Strongly Agree	Agree	Neutral	Don't Agree	Strongly Disagree
	24	30	1	1	0
	0.428571429	0.535714286	0.017857143	0.017857143	0
I am aware of being technologically upgraded through life long learning (P12)	Strongly Agree	Agree	Neutral	Don't Agree	Strongly Disagree
	31	25	0	0	0
	0.553571429	0.446428571	0	0	0

PO	Attainment
PO1	0.964286
PO2	0.910714
PO3	0.982143
PO4	0.910714
PO5	0.946429
PO6	0.982143
PO7	1
PO8	0.982143
PO9	1
PO10	0.982143
PO11	0.964286
PO12	1



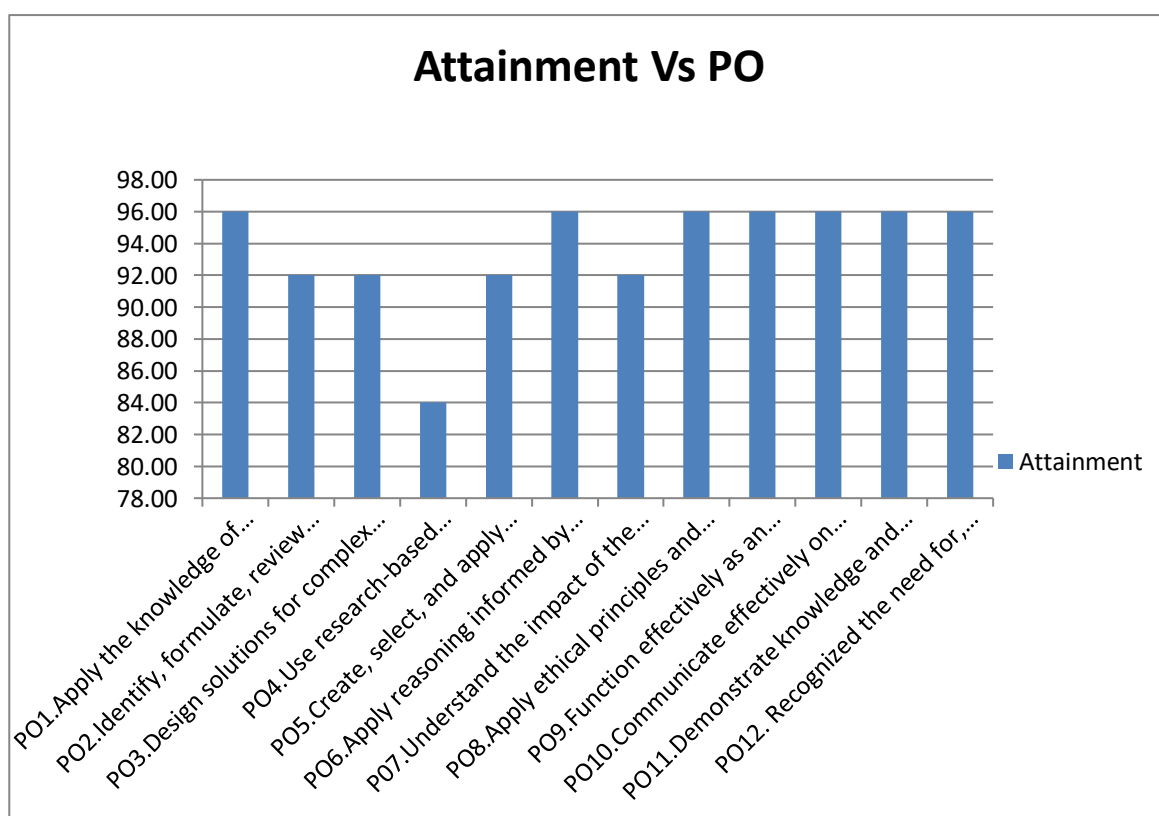
**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**  
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**Department of Information Technology**

**(Alumni Survey 2019-20)**

<b>PO</b>	<b>Fully</b>	<b>Mostly</b>	<b>Somewhat</b>	<b>Not at all</b>	<b>Total Participants</b>	<b>% Response (for Fully)</b>	<b>% Response (for Mostly)</b>	<b>% Response (for Somewhat)</b>	<b>% Response (for Not At all)</b>	<b>Attainment</b>
PO1.Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	4	14	6	1	25	16.00	56.00	24.00	4.00	96.00
PO2.Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	7	10	6	2	25	28.00	40.00	24.00	8.00	92.00
PO3.Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and the cultural, societal, and environmental considerations	7	10	6	2	25	28.00	40.00	24.00	8.00	92.00
PO4.Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions	5	10	6	4	25	20.00	40.00	24.00	16.00	84.00
PO5.Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling of complex engineering activities with an understanding of the limitations	4	13	6	2	25	16.00	52.00	24.00	8.00	92.00
PO6.Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	7	12	5	1	25	28.00	48.00	20.00	4.00	96.00
PO7.Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of,	4	13	6	2	25	16.00	52.00	24.00	8.00	92.00

and the need for sustainable development										
PO8.Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice	8	13	3	1	25	32.00	52.00	12.00	4.00	96.00
PO9.Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings	11	10	3	1	25	44.00	40.00	12.00	4.00	96.00
PO10.Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions	10	12	2	1	25	40.00	48.00	8.00	4.00	96.00
PO11.Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multidisciplinary environments	9	11	4	1	25	36.00	44.00	16.00	4.00	96.00
PO12. Recognized the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change	13	10	1	1	25	52.00	40.00	4.00	4.00	96.00



## Alumni Survey(PSO Analysis)

PSO	Yes	No	Total Participants	%responses for Yes	%responses for No
PSO1:Contribute towards real-life information system development and implementation.	12	13	25	48.00	52.00
PSO2: Learn and practice contemporary IT domain knowledge.	22	3	25	88.00	12.00

